

PROCESS FOR PREPARING AN AQUEOUS DISPERSION OF A
QUATERNARY AMMONIUM SALT CONTAINING VINYL COPOLYMER

ABSTRACT

A method of making an ion triggerable cationic polymer by solution
5 copolymerizing one or more vinyl-functional cationic monomers, one or more
water insoluble or hydrophobic vinyl monomers with alkyl side chains up to 4
carbons long, and, optionally, a minor amount of one or more vinyl monomers with
linear or branched alkyl groups longer than 4 carbons, alkyl hydroxy,
polyoxyalkylene, or other functional groups. The solution polymerization is
10 accomplished by free radical polymerization in a mixture of acetone and water.